STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION

MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.	MO-0115959
Owner:	Jim and Sue Alkire
Address:	499 Buena Vista Road, Branson, MO 65616
Continuing Authority:	Same as above
Address:	Same as above
Facility Name:	America's Best Campground
Facility Address:	499 Buena Vista Road, Branson, MO 65616
Legal Description:	NW¼, NE¼, NE¼, Sec. 24, T23N, R22W, Taney County
UTM (X/Y):	476796 / 4060041
Receiving Stream:	Unnamed Tributary to Roark Creek (U)
First Classified Stream and ID:	Roark Creek (C) (02438)
USGS Basin & Sub-watershed No.:	(11010003-0103)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 – Private Campground - SIC #7033
The use or operation of this facility does not require a CERTIFIED OPERATOR.
Extended aeration / chemical addition to facilitate phosphorus removal / tertiary filtration / chlorination / dechlorination / sludge disposal by contract hauler

Design organic population equivalent is 180.
Design flow is 0.016200 MGD. Adjusted Design Flow for Fees Purposes is 0.005999 MGD.
Design sludge production is 6.5dry tons/year.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

November 9, 2011 August 27, 2013
Effective Date Revised Date

Sara Parker Pauley
Sara Parker Pauley, Director, Department of Natural Resources

November 8, 2016
Expiration Date

John Madras
John Madras, Director, Water Protection Program

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The interim effluent limitations shall become effective upon issuance and remain in effect until expiration of this permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfall #001						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Biochemical Oxygen Demand$_5$	mg/L		15	10	once/quarter**	****
Total Suspended Solids	mg/L		20	15	once/quarter**	****
pH – Units	SU	***		***	once/quarter**	grab
E. coli (Note 1)	#/100 ml	630		126	once/quarter**	grab
Total Residual Chlorine (Note 2)	mg/L	0.016 (0.13ML)		0.0082 (0.13ML)	once/quarter**	****
Total Phosphorus as P	mg/L	*		0.5	once/quarter**	****
Ammonia as N						
Summer (Apr. 1-Sept. 30)	mg/L	2.0		*	once/quarter**	grab
Winter (Oct. 1- Mar. 31)	mg/L	3.0		*	once/quarter**	grab
Aluminum, Total Recoverable (Note 3)	mg/L	*		*	once/quarter**	****
Iron, Total Recoverable (Note 3)	mg/L	*		*	once/quarter**	****

OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	DAILY MINIMUM	WEEKLY AVERAGE MINIMUM	MONTHLY AVERAGE MINIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfall #001						
Dissolved Oxygen	mg/L	*		*	once/quarter**	grab

MONITORING REPORTS SHALL BE SUBMITTED **QUARTERLY**; THE FIRST REPORT IS DUE **JANUARY 28, 2012**. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

B. STANDARD CONDITIONS

IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Parts I & III STANDARD CONDITIONS DATED October 1, 1980 and August 15, 1994, AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.

** Sampling shall occur once per quarter in the periods of January through March, April through June, July through September, and October through December, please note that monitoring reports shall be submitted no later than the 28th day of the month following the monitoring period (April 28th, July 28th, October 28th, and January 28th, respectively).

*** pH is measured in pH units and is not to be averaged. The pH for all facilities except lagoons is limited to the range of 6.5-9.0 pH units.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

**** A composite sample made up from a minimum of four grab samples collected within a 24-hour period with a minimum of two hours between each grab sample. A person may physically collect the four grab samples or a composite sampler may be set up to collect the four grab samples.

Note 1 - Final limitations and monitoring requirements for *E. coli* are applicable only during the recreational season from April 1 through October 31. The Monthly Average Limit for *E. coli* is expressed as a geometric mean. Geometric mean for n samples = $[a_1 \times a_2 \times a_3 \ldots . \times a_n]^{1/n}$

Note 2 - This permit contains a Total Residual Chlorine (TRC) limit.

(a) This effluent limit is below the minimum quantification level (ML) of the most common and practical EPA approved CLTRC methods. The Department has determined the current acceptable ML for total residual chlorine to be 0.13 mg/L when using the DPD Colorimetric Method #4500 – CL G. from Standard Methods for the Examination of Waters and Wastewater. The permittee will conduct analyses in accordance with this method, or equivalent, and report actual analytical values. Measured values greater than or equal to the minimum quantification level of 0.13 mg/L will be considered violations of the permit and values less than the minimum quantification level of 0.13 mg/L will be considered to be in compliance with the permit limitation. The minimum quantification level does not authorize the discharge of chlorine in excess of the effluent limits stated in the permit.

(b) Disinfection is required year-round unless the permit specifically states that "Final limitations and monitoring requirements for *E. coli* are applicable only during the recreational season from April 1 through October 31." If your permit does not require disinfection during the non-recreational months, do not chlorinate in those months.

(c) Do not chemically dechlorinate **if it is not needed to meet the limits in your permit.**

(d) If no chlorine was used in a given sampling period, an actual analysis is not necessary. Simply report as "0 mg/L" TRC.

Note 3 - If no Aluminum or Iron was used in a given sampling period, an actual analysis is not necessary. Simply report as "0 mg/L".

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:

(a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:

(1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

(2) controls any pollutant not limited in the permit.

(b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.

(c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.

3. Permittee will cease discharge by connection to a facility with an area-wide management plan per 10 CSR 20-6.010(3)(B) within 90 days of notice of its availability.

C. SPECIAL CONDITIONS (continued)

4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

(a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

(1) One hundred micrograms per liter (100 µg/L);

(2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;

(3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;

(4) The level established in Part A of the permit by the Director.

(b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

5. Report as no-discharge when a discharge does not occur during the report period.

6. Water Quality Standards

(a) Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.

(b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:

(1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;

(2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;

(3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;

(4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;

(5) There shall be no significant human health hazard from incidental contact with the water;

(6) There shall be no acute toxicity to livestock or wildlife watering;

(7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;

(8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

Missouri Department of Natural Resources
Statement of Basis
#MO-0115959
America's Best Campground

This Statement of Basis (Statement) gives pertinent information regarding minor/simple modification(s) to the above listed operating permit without the need for a public comment process.

A Statement is not an enforceable part of a Missouri State Operating Permit.

Part I – Facility Information

Facility Type: Private Campground
Facility SIC Code(s): #7033

Outfall #001
The use or operation of this facility does not require a CERTIFIED OPERATOR.
Extended aeration / chemical addition to facilitate phosphorus removal / tertiary filtration / chlorination / dechlorination / sludge disposal by contract hauler

Design organic population equivalent is 180.
Design flow is 0.016200 MGD. Adjusted Design Flow for Fees Purposes is 0.004699 MGD.
Design sludge production is 6.5dry tons/year.

Part II – Modification Rationale

This operating permit is hereby modified to reflect an Adjusted Design Flow for Fees Purposes. The following calculation has been conducted upon request of the permittee.

Permitted Design Flow = 16,200 gpd
Annual Operating Permit Invoiced Fee = $650
Targeted Actual Flow for Reduced Fee = 16,200 gpd x 60% = 9,720 gpd
Actual Flow Recorded on Quarterly DMRs (since issuance of renewal, November 9, 2011 through August 15, 2013) = (4,500 + 3,000 + 4,500 + 5,800 + 4,500 + 1,200 + 5,100)/7 x 1.15 = 4,086 gpd x 1.15= 4,699 gpd
Eligible for Reduction: Since the target flow of 9,720 gpd is greater than the actual flow of 4,699 gpd, you are eligible for a reduced fee.

Due to the performance history of the facility and to ensure the facility does not exceed the ADF, the Department has granted an ADF of 5,999 gpd.

No other changes were made at this time.

Part III – Administrative Requirements

On the basis of preliminary staff review and the application of applicable standards and regulations, the Department, as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions contained herein and within the operating permit.

Date of Statement of Basis: August 15, 2013

Submitted by

Logan Cole, Environmental Specialist
Domestic Wastewater Unit
Operating Permits Section
Water Protection Program
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Missouri Department of Natural Resources
Statement of Basis
America's Best Campground
MSOP #: MO-0115959
Taney County

A Statement of Basis (Statement) gives pertinent information regarding the applicable regulations and rationale for the development of the NPDES Missouri State Operating Permit (operating permit). This Statement includes Wasteload Allocations, Water Quality Based Effluent Limitations, and Reasonable Potential Analysis calculations as well as any other calculations that effect the effluent limitations of this operating permit. This Statement does not pertain to operating permits that include sewage sludge land application plans and variance procedures, and does not include the public comment process for this operating permit.

A Statement is not an enforceable part of an operating permit.

Part I – Facility Information

Facility Type: NON-POTW
Campground- SIC #7033

Facility Description: Extended aeration / chemical addition to facilitate phosphorus removal / tertiary filtration / chlorination / dechlorination / sludge disposal by contract hauler

OUTFALL(S) TABLE:

OUTFALL	DESIGN FLOW (CFS)	TREATMENT LEVEL	EFFLUENT TYPE	DISTANCE TO CLASSIFIED SEGMENT (MI)
001	0.025	Secondary	Domestic	1.4

Receiving Water Body's Water Quality & Facility Performance History:
A review of Discharge Monitoring Reports from the last permit cycle was conducted. According to records, this facility has submitted all required DMRs. The facility exceeded effluent limitations for Ammonia on 6/30/2011.

This is for a renewal and minor modification. The facility description is also being updated to reflect chemical addition to facilitate phosphorous removal.

Comments: The facility was last inspected on February 16, 2011. The inspection showed the following unsatisfactory features at the facility: the outfall was not marked, sludge reports were not submitted for 2009 or 2010, and the phosphorous removal equipment was not operational. The facility has corrected the deficiencies.

Part II – Operator Certification Requirements

As per [10 CSR 20-6.010(8) Terms and Conditions of a Permit], permittees shall operate and maintain facilities to comply with the Missouri Clean Water Law and applicable permit conditions and regulations. Operators or supervisors of operations at regulated wastewater treatment facilities shall be certified in accordance with [10 CSR 20-9.020(2)] and any other applicable state law or regulation. As per [10 CSR 20-9.010(2)(A)], requirements for operation by certified personnel shall apply to all wastewater treatment systems, if applicable, as listed below:

Not Applicable ☒; This facility is not required to have a certified operator.

Part III – Receiving Stream Information

APPLICABLE DESIGNATIONS OF WATERS OF THE STATE:

As per Missouri's Effluent Regulations [10 CSR 20-7.015], the waters of the state are divided into the below listed seven (7) categories. Each category lists effluent limitations for specific parameters, which are presented in each outfall's Effluent Limitation Table and further discussed in the Derivation & Discussion of Limits section.

Missouri or Mississippi River [10 CSR 20-7.015(2)]: ☐
Lake or Reservoir [10 CSR 20-7.015(3)]: ☐
Losing [10 CSR 20-7.015(4)]: ☐
Metropolitan No-Discharge [10 CSR 20-7.015(5)]: ☐
Special Stream [10 CSR 20-7.015(6)]: ☐
Subsurface Water [10 CSR 20-7.015(7)]: ☐
All Other Waters [10 CSR 20-7.015(8)]: ☒

10 CSR 20-7.031 Missouri Water Quality Standards, the Department defines the Clean Water Commission water quality objectives in terms of "water uses to be maintained and the criteria to protect those uses." The receiving stream and/or 1st classified receiving stream's beneficial water uses to be maintained are located in the Receiving Stream Table located below in accordance with [10 CSR 20-7.031(3)].

RECEIVING STREAM(S) TABLE:

WATERBODY NAME	CLASS	WBID	DESIGNATED USES*	8-DIGIT HUC	EDU**
Unnamed Tributary to Roark Creek	U	N/A	General Criteria	11010003	Ozark/ White
Roark Creek	C	02438	General Criteria, AQL, WBC-A, SCR		

* - Irrigation (IRR), Livestock & Wildlife Watering (LWW), Protection of Warm Water Aquatic Life and Human Health-Fish Consumption (AQL), Cool Water Fishery(CLF), Cold Water Fishery (CDF), Whole Body Contact Recreation (WBC), Secondary Contact Recreation (SCR), Drinking Water Supply (DWS), Industrial (IND).
** - Ecological Drainage Unit

RECEIVING STREAM(S) LOW-FLOW VALUES TABLE:

RECEIVING STREAM (U, C, P)	LOW-FLOW VALUES (CFS)		
	1Q10	7Q10	30Q10
Unnamed Tributary to Roark Creek	0	0	0

MIXING CONSIDERATIONS

Mixing Zone: Not Allowed [10 CSR 20-7.031(4)(A)4.B.(I)(a)].
Zone of Initial Dilution: Not Allowed [10 CSR 20-7.031(4)(A)4.B.(I)(b)].

Part IV – Rationale and Derivation of Effluent Limitations & Permit Conditions

ALTERNATIVE EVALUATIONS FOR NEW FACILITIES:

As per [10 CSR 20-7.015(4)(A)], discharges to losing streams shall be permitted only after other alternatives including land application, discharges to a gaining stream and connection to a regional wastewater treatment facility have been evaluated and determined to be unacceptable for environmental and/or economic reasons.

Not Applicable ☒;
The facility does not discharge to a Losing Stream as defined by [10 CSR 20-2.010(36)] & [10 CSR 20-7.031(1)(N)], or is an existing facility.

ANTI-BACKSLIDING:
A provision in the Federal Regulations [CWA §303(d)(4); CWA §402(c); 40 CFR Part 122.44(I)] that requires a reissued permit to be as stringent as the previous permit with some exceptions.

☒ - All limits in this statement are at least as protective as those previously established; therefore, backsliding does not apply.

AREA-WIDE WASTE TREATMENT MANAGEMENT & CONTINUING AUTHORITY:
As per [10 CSR 20-6.010(8)(A)10.], when a Continuing Authority under paragraph 10 CSR 20-6.010(3)(B)1. or 2. is expected to be available for connection within the next five (5) years, any operating permit issued to a permittee under this paragraph, located within the service area of the paragraph (3)(B)1. or 2. facility, shall contain the following special condition… This language is contained in Special Condition #3 of this operating permit.

ANTIDEGRADATION:
Policies which ensure protection of water quality for a particular water body where the water quality exceeds levels necessary to protect fish and wildlife propagation and recreation on and in the water. This also includes special protection of waters designated as outstanding natural resource waters. Antidegradation requirements are consistent with 40 CFR 131.12 that outlines methods used to assess activities that may impact the integrity of a water and protect existing uses. This policy may compel the state to maintain a level of water quality above those mandated by criteria.

Not Applicable ☒;
Renewal no degradation proposed and no further review necessary.

APPLICABLE PERMIT PARAMETERS:
Effluent parameters for conventional, non-conventional, and toxic pollutants have been obtained from the previous NPDES operating permit for this facility, technology based effluent limits, and from appropriate sections of the renewal application.

Bio-solids, Sludge, & Sewage Sludge:
Bio-solids are solid materials resulting from wastewater treatment that meet federal and state criteria for beneficial uses (i.e. fertilizer). Sludge is any solid, semi-solid, or liquid waste generated from a municipal, commercial, or industrial wastewater treatment plant, water supply treatment plant, or air pollution control facility or any other such waste having similar characteristics and effect. Sewage sludge is solids, semi-solids, or liquid residue generated during the treatment of domestic sewage in a treatment works; including but not limited to, domestic septage; scum or solids removed in primary, secondary, or advanced wastewater treatment process; and a material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screening generated during preliminary treatment of domestic sewage in a treatment works. Additional information regarding biosolids and sludge is located at the following web address: http://dnr.mo.gov/env/wpp/pub/index.html, items WQ422 through WQ449.

☒ - Sludge/biosolids are removed by contract hauler or are stored in the lagoon.

COMPLIANCE AND ENFORCEMENT:
Action taken by the Department to resolve violations of the Missouri Clean Water Law, its implementing regulations, and/or any terms and condition of an operating permit.

Not Applicable ☒;
The permittee/facility is not under enforcement action and is considered to be in compliance with the Missouri Clean Water Law, its implementing regulations, and/or any terms and condition of an operating permit.

PRETREATMENT PROGRAM:
The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to or in lieu of discharging or otherwise introducing such pollutants into a Publicly Owned Treatment Works [40 CFR Part 403.3(q)].

Pretreatment programs are required at any POTW (or combination of POTW operated by the same authority) and/or municipality with a total design flow greater than 5.0 MGD and receiving industrial wastes that interfere with or pass through the treatment works or are otherwise subject to the pretreatment standards. Pretreatment programs can also be required at POTWs/municipals with a design flow less than 5.0 MGD if needed to prevent interference with operations or pass through.

Several special conditions pertaining to the permittee's pretreatment program may be included in the permit, and are as follows:

- Implementation and enforcement of the program,
- Annual pretreatment report submittal,
- Submittal of list of industrial users,
- Technical evaluation of need to establish local limitations, and
- Submittal of the results of the evaluation

Not Applicable ☒;
The permittee, at this time, is not required to have a Pretreatment Program or does not have an approved pretreatment program.

REASONABLE POTENTIAL ANALYSIS (RPA):
Limitations must control all pollutants or pollutant parameters that are or may be discharged at a level which will cause, have reasonable potential to cause, or contribute to an excursion above the Missouri Water Quality Standards.

Not Applicable ☒;
A RPA was not conducted.

REMOVAL EFFICIENCY:
Removal efficiency is a method by which the Federal Regulations define Secondary Treatment and Equivalent to Secondary Treatment, which applies to Biochemical Oxygen Demand 5-day (BOD_5) and Total Suspended Solids (TSS) for Publicly Owned Treatment Works (POTWs). Please see the United States Environmental Protection Agency's (EPA) website for interpretation of percent removal requirements for National Pollutant Discharge Elimination System Permit Application Requirements for Publicly Owned Treatment Works and Other Treatment Works Treating Domestic Sewage @ www.epa.gov/fedrgstr/EPA-WATER/1999/August/Day-04/w18866.htm

Not Applicable ☒;
This wastewater treatment facility is not a POTW. Influent monitoring is not being required to determine percent removal.

SANITARY SEWER OVERFLOWS (SSOS), BYPASSES, INFLOW & INFILTRATION (I&I) – PREVENTION/REDUCTION:
Sanitary Sewer Overflows (SSOs) are defined as an untreated or partially treated sewage release are considered bypassing under state regulation [10 CSR 20-2.010(11)] and should not be confused with the federal definition of bypass. SSO's have a variety of causes including blockages, line breaks, and sewer defects that allow excess storm water and ground water to (1) enter and overload the collection system, and (2) overload the treatment facility. Additionally, SSO's can be also be caused by lapses in sewer system operation and maintenance, inadequate sewer design and construction, power failures, and vandalism. SSOs also include overflows out of manholes and onto city streets, sidewalks, and other terrestrial locations.

Additionally, Missouri RSMo §644.026.1 mandates that the Department require proper maintenance and operation of treatment facilities and sewer systems and proper disposal of residual waste from all such facilities.

☒ - Not applicable. This facility is not required to develop or implement a program for maintenance and repair of the collection system; however, it is a violation of Missouri State Environmental Laws and Regulations to allow untreated wastewater to discharge to waters of the state.

SCHEDULE OF COMPLIANCE (SOC):
A schedule of remedial measures included in a permit, including an enforceable sequence of interim requirements (actions, operations, or milestone events) leading to compliance with the Missouri Clean Water Law, its implementing regulations, and/or the terms and conditions of an operating permit.

Not Applicable ☒;
This permit does not contain a Schedule of Compliance.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP):
In accordance with 40 CFR 122.44(k) *Best Management Practices (BMPs)* to control or abate the discharge of pollutants when: (1) Authorized under section 304(e) of the Clean Water Act (CWA) for the control of toxic pollutants and hazardous substances from ancillary industrial activities; (2) Authorized under section 402(p) of the CWA for the control of storm water discharges; (3) Numeric effluent limitations are infeasible; or (4) the practices are reasonably necessary to achieve effluent limitations and standards or to carry out the purposes and intent of the CWA.

In accordance with the EPA's *Storm Water Management for Industrial Activities: Developing Pollution Prevention Plans and Best Management Practices* [EPA 832-R-92-006] (Storm Water Management), BMPs are measures or practices used to reduce the amount of pollution entering (regarding this operating permit) waters of the state. BMPs may take the form of a process, activity, or physical structure.

Additionally in accordance with the Storm Water Management, a SWPPP is a series of steps and activities to (1) identify sources of pollution or contamination, and (2) select and carry out actions which prevent or control the pollution of storm water discharges.

Not Applicable ☒;
At this time, the permittee is not required to develop and implement a SWPPP.

WASTELOAD ALLOCATIONS (WLA) FOR LIMITS:
As per [10 CSR 20-2.010(78)], the amount of pollutant each discharger is allowed by the Department to release into a given stream after the Department has determined to total amount of pollutant that may be discharged into that stream without endangering its water quality.

Applicable ☒;
Wasteload allocations were calculated where applicable using water quality criteria or water quality model results and the dilution equation below:

$$C = \frac{(C_s \times Q_s) + (C_e \times Q_e)}{(Q_e + Q_s)}$$ (EPA/505/2-90-001, Section 4.5.5)

Where C = downstream concentration
C_s = upstream concentration
Q_s = upstream flow
C_e = effluent concentration
Q_e = effluent flow

Chronic wasteload allocations were determined using applicable chronic water quality criteria (CCC: criteria continuous concentration) and stream volume of flow at the edge of the mixing zone (MZ). Acute wasteload allocations were determined using applicable water quality criteria (CMC: criteria maximum concentration) and stream volume of flow at the edge of the zone of initial dilution (ZID).

Water quality based maximum daily and average monthly effluent limitations were calculated using methods and procedures outlined in USEPA's "Technical Support Document For Water Quality-based Toxics Control" (EPA/505/2-90-001).

Number of Samples "n":
Additionally, in accordance with the TSD for water quality-based permitting, effluent quality is determined by the underlying distribution of daily values, which is determined by the Long Term Average (LTA) associated with a particular Wasteload Allocation (WLA) and by the Coefficient of Variation (CV) of the effluent concentrations. Increasing or decreasing the monitoring frequency does not affect this underlying distribution or treatment performance, which should be, at a minimum, be targeted to comply with the values dictated by the WLA. Therefore, it is recommended that the actual planned frequency of monitoring normally be used to determine the value of "n" for calculating the AML. However, in situations where monitoring frequency is once per month or less, a higher value for "n" must be assumed for AML derivation purposes. Thus, the statistical procedure being employed using an assumed number of samples is "n = 4" at a minimum. For Total Ammonia as Nitrogen, "n = 30" is used.

WLA MODELING:
Applicable ☒;
The results of a WLA study was submitted to the Department by the MDNR Water Quality Management Section per a memorandum dated December 8, 1992.

WATER QUALITY STANDARDS:
Per [10 CSR 20-7.031(3)], General Criteria shall be applicable to all waters of the state at all times including mixing zones. Additionally, [40 CFR 122.44(d)(1)] directs the Department to establish in each NPDES permit to include conditions to achieve water quality established under Section 303 of the Clean Water Act, including State narrative criteria for water quality.

WHOLE EFFLUENT TOXICITY (WET) TEST:
A WET test is a quantifiable method of determining if a discharge from a facility may be causing toxicity to aquatic life by itself, in combination with or through synergistic responses when mixed with receiving stream water.

Not Applicable ☒;
At this time, the permittee is not required to conduct WET test for this facility.

40 CFR 122.41(m) - Bypasses:
The federal Clean Water Act (CWA), Section 402 prohibits wastewater dischargers from "bypassing" untreated or partially treated sewage (wastewater) beyond the headworks. A bypass is defined as an intentional diversion of waste streams from any portion of a treatment facility, [40 CFR 122.41(m)(1)(i)]. Additionally, Missouri regulation 10 CSR 20-2.010(11) defines a bypass as the diversion of wastewater from any portion of wastewater treatment facility or sewer system to waters of the state. Only under exceptional and specified limitations do the federal regulations allow for a facility to bypass some or all of the flow from its treatment process. Bypasses are prohibited by the CWA unless a permittee can meet all of the criteria listed in 40 CFR 122.41(m)(4)(i)(A), (B), & (C). Any bypasses from this facility are subject to the reporting required in 40 CFR 122.41(l)(6) and per Missouri's Standard Conditions I, Section B, part 2.b. Additionally, Anticipated Bypasses include bypasses from peak flow basins or similar.

☒ - Not Applicable, this facility does not bypass.

303(d) LIST & TOTAL MAXIMUM DAILY LOAD (TMDL):
Section 303(d) of the federal Clean Water Act requires that each state identify waters that are not meeting water quality standards and for which adequate water pollution controls have not been required. Water quality standards protect such beneficial uses of water as whole body contact (such as swimming), maintaining fish and other aquatic life, and providing drinking water for people, livestock and wildlife. The 303(d) list helps state and federal agencies keep track of waters that are impaired but not addressed by normal water pollution control programs.

A TMDL is a calculation of the maximum amount of a given pollutant that a body of water can absorb before its water quality is affected. If a water body is determined to be impaired as listed on the 303(d) list, then a watershed management plan will be developed that shall include the TMDL calculation

Not Applicable ☒;
This facility does not discharge to a 303(d) listed stream.

Adjusted Design Flow:
10 CSR 20-6.011(1)(B)1. provides for an Adjusted Design Flow when calculating permit fees on human sewage treatment facilities. If the average flow is sixty percent (60%) or less than the system's design flow, the average flow may be substituted for the design flow when calculating the permit fee on human sewage treatment facilities. If the facility's actual average flow is consistently 60% or less than the permitted design flow, the facility may qualify for a reduction in your fee when:

- The facility has a valid permit, or has applied for re-issuance, is in compliance with the terms, conditions and effluent limitations of the permit, and the facility has a good compliance history; and

- Flow is not expected to exceed 60% of design flow for the remaining term of the existing operating permit.

Not Applicable ☒;
The permittee previously was granted an Adjusted Design Flow, however, at this time, the ADF is being removed because the actual flow on average is more than 60% of the design flow.

Outfall #001 – Main Facility Outfall

EFFLUENT LIMITATIONS TABLE:

PARAMETER	UNIT	BASIS FOR LIMITS	DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MODIFIED	PREVIOUS PERMIT LIMITATIONS
FLOW	MGD	1	*		*	NO	S
BOD_5	MG/L	3		15	10	NO	S
TSS	MG/L	3		20	15	NO	S
PH (S.U.)	SU	1	6.5-9.0		6.5-9.0	YES	6.0, 9.0
ESCHERICHIA COLI	***	1,2,3	630		126	YES	****
FECAL COLIFORM	#/100 ML	--	--		--	REMOVED	1000, 400
CHLORINE, TOTAL RESIDUAL	MG/L	2, 3	0.016 (0.13 ML)		0.0082 (0.13 ML)	YES	0.01, 0.01
TOTAL PHOSPHOROUS	MG/L	1, 9	*		0.5	NO	S
AMMONIA AS N (SUMMER)	MG/L	3, 5	2.0		*	NO	S
AMMONIA AS N (WINTER)	MG/L	3, 5	3.0		*	NO	S
TOTAL RECOVERABLE ALUMINUM	MG/L	8	*		*	YES	****
TOTAL RECOVERABLE IRON	MG/L	8	*		*	YES	****
DISSOLVED OXYGEN	MG/L	11	*		*	YES	****
MONITORING FREQUENCY	Please see Minimum Sampling and Reporting Frequency Requirements in the Derivation and Discussion Section below.						

*** - Monitoring requirement only**

*** - # of colonies/100mL; the Monthly Average for E. coli is a geometric mean.

**** - Parameter not previously established in previous state operating permit.

N/A – Not applicable

S – Same as previous operating permit

Basis for Limitations Codes:

1. State or Federal Regulation/Law
2. Water Quality Standard (includes RPA)
3. Water Quality Based Effluent Limits
4. Lagoon Policy
5. Ammonia Policy
6. Antidegradation Policy
7. Water Quality Model
8. Best Professional Judgment
9. TMDL or Permit in lieu of TMDL
10. WET test Policy
11. Dissolved Oxygen Policy

OUTFALL #001 – DERIVATION AND DISCUSSION OF LIMITS:

Flow. In accordance with [40 CFR Part 122.44(i)(1)(ii)] the volume of effluent discharged from each outfall is needed to assure compliance with permitted effluent limitations. If the permittee is unable to obtain effluent flow, then it is the responsibility of the permittee to inform the Department, which may require the submittal of an operating permit modification.

Biochemical Oxygen Demand (BOD_5).

☒ –15 mg/L as a Weekly Average and 10 mg/L as a Monthly Average. Per the December 8, 1992 memorandum, these limits are required to meet in-stream criteria of Lake Taneycomo Tributaries.

Total Suspended Solids (TSS).

☒ –20 mg/L as a Weekly Average and 15 mg/L as a Monthly Average. Per the December 8, 1992 memorandum, these limits are required to meet in-stream criteria of Lake Taneycomo Tributaries.

pH.

☒ – pH is limited to the range of 6.5 – 9.0 pH units, as per [10 CSR 20-7.031(4)(E)]. pH is measured in pH units and is not to be averaged.

***Escherichia coli (E. coli)*.** Monthly average of 126 per 100 ml as a geometric mean and Daily Maximum 630 during the recreational season (April 1 – October 31), to protect Whole Body Contact Recreation (A) designated use of the receiving stream, as per 10 CSR 20-7.031(4)(C). Daily Maximum effluent variability will be evaluated in development of a future effluent limit. An effluent limit for both monthly average and daily maximum is required by 40 CFR 122.45(d).

Fecal Coliform. *E. coli* has replaced fecal coliform at the applicable bacteria criteria in Missouri's water quality standards.

Total Residual Chlorine (TRC). Warm-water Protection of Aquatic Life CCC = 10 µg/L, CMC = 19 µg/L [10 CSR 20-7.031, Table A]. Background TRC = 0.0 µg/L.

((Qe + Qs)*C-(Qs*Cs))/Qe

Acute: C_e = ((0.025+0)*0.019-(0*0)) / 0.025 = 0.019
WLA_a = 0.019 mg/L

Chronic: C_e = ((0.025 +0)*0.01-(0*0)) / 0.025 = 0.01
WLA_c = 0.01 mg/L

LTA_a = 0.019 (0.321)= 0.0061 mg/L [CV = 0.6, 99th Percentile]
LTA_c =0.01 (0.5274)= **0.005274** mg/L [CV = 0.6, 99th Percentile]

MDL = 0.005274(3.114)= 0.016 mg/L [CV = 0.6, 99th Percentile]
AML = 0.005274(1.55)= 0.0082 mg/L [CV = 0.6, 95th Percentile, n = 4]

Total Phosphorus

To Table Rock Lake and Lake Taneycomo
0.5 mg/L per 10 CSR 20 - 7.015 (3).

Ammonia as N. Retained from previous operating permit. Per the December 8, 1992 memorandum, these limits are required to meet in-stream criteria of Lake Taneycomo Tributaries.

Aluminum, Total Recoverable. Monitoring requirement only. This facility uses chemicals for phosphorous removal that may contain aluminum. Monitoring is required to determine if reasonable potential exists for this facility's discharge to exceed water quality standards for Aluminum (Total Recoverable).

Iron, Total Recoverable. Monitoring requirement only. This facility uses chemicals for phosphorous removal that may contain iron. Monitoring is required to determine if reasonable potential exists for this facility's discharge to exceed water quality standards for Iron (Total Recoverable).

Dissolved Oxygen. Monitoring requirement only. Monitoring for dissolved oxygen is included to determine whether "reasonable potential" to exceed water quality standards exists after the discharge begins.

Minimum Sampling and Reporting Frequency Requirements.

PARAMETER	SAMPLING FREQUENCY	REPORTING FREQUENCY
FLOW	QUARTERLY	QUARTERLY
BOD_5	QUARTERLY	QUARTERLY
TSS	QUARTERLY	QUARTERLY
PH	QUARTERLY	QUARTERLY
E. COLI	QUARTERLY	QUARTERLY
TOTAL RESIDUAL CHLORINE	QUARTERLY	QUARTERLY
TOTAL PHOSPHORUS	QUARTERLY	QUARTERLY
AMMONIA AS N	QUARTERLY	QUARTERLY
TOTAL RECOVERABLE ALUMINUM	QUARTERLY	QUARTERLY
TOTAL RECOVERABLE IRON	QUARTERLY	QUARTERLY
DISSOLVED OXYGEN	QUARTERLY	QUARTERLY

Sampling Frequency Justification:
Quarterly sampling is appropriate to obtain adequate data to determine if reasonable potential exists to exceed water quality standards.

The Clean Water Commission has directed the Department to proceed with amending 10 CSR 20-7.015 to reduce the sampling frequency required for E.coli to a lesser frequency, still protective of water quality standards, for smaller facilities, including those with discharges of 100,000 gallons per day or less.

Sampling Type Justification
Due to the small amount of flow sample type shall be modified composites for appropriate parameters.

Administrative Requirements

On the basis of preliminary staff review and the application of applicable standards and regulations, the Department, as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions contained herein and within the operating permit. The proposed determinations are tentative pending public comment.

Date of Factsheet: July 27, 2011

Gwenda J. Bassett
WP Permitting and Assistance Unit
(417) 891-4300
Gwenda.Bassett@dnr.mo.gov

AP 15853

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
APPLICATION FOR AN OPERATING PERMIT FOR DOMESTIC OR MUNICIPAL WASTEWATER (≤100,000 gallons per day)

JUL - 2 2013

FOR AGENCY USE ONLY	
CHECK NUMBER 16680	
DATE RECEIVED 7/2/13	FEE SUBMITTED $162.50

PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE COMPLETING THIS FORM

1. THIS APPLICATION IS FOR:

☐ An operating permit for a new (including antidegradation review) or unpermitted facility. Construction Permit # _____

☐ An operating permit renewal: Permit #MO- _____ Expiration Date _____

☒ An operating permit modification: Permit #MO- 0115959 Reason: Lower design flow

1.1 Is the appropriate fee included with the application (see instructions for appropriate fee)? ☒ YES ☐ NO

1.2 Is a facility description included with this application (see 7.1)? ☒ YES ☐ NO

2. FACILITY

NAME		TELEPHONE NUMBER WITH AREA CODE
America's Best Campground Inc.		417-336-4399
ADDRESS (PHYSICAL)	CITY	STATE / ZIP CODE
499 Buena Vista Rd.	Branson	MO 65616

OUTFALL NUMBER
For multiple outfalls, this is number 1 of 1

Estimated (actual) flow: 4600 gpd, Design Average Flow: 4600 gpd, Design Peak Hourly Flow: 190 gph

2.1 Legal description: NW ¼, NE ¼, NE¼, Sec. 24, T 23 N R 22 W County Taney

2.2 UTM Coordinates Easting (X): 36-41-08.52 Northing (Y): 93-15-34.23

For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)

2.3 Name of receiving stream: Unnamed tributary of Roark Creek

3. OWNER

NAME	E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE
Jim and Sue Alkire	jimalkire@aol.com	417-676-2296
ADDRESS	CITY	STATE / ZIP CODE
499 Buena Vista Rd	Branson	MO 65616

3.1 Request review of draft permit prior to public notice? ☐ YES ☐ NO

4. CONTINUING AUTHORITY: Permanent organization that will serve as the continuing authority for the operation, maintenance and modernization of the facility.

NAME	E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE
owner		
ADDRESS	CITY	STATE / ZIP CODE

5. OPERATOR

NAME	CERTIFICATE NUMBER
Self	
E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE

6. FACILITY CONTACT

NAME	TITLE
Jim Alkire	Owner
E-MAIL ADDRESS	TELEPHONE NUMBER WITH AREA CODE
jimalkire@aol.com	417-676-2296

7. DESCRIPTION OF FACILITY

7.1 Describe the facility (attach additional sheet if required) and attach a flow chart showing the influents, treatment facilities and outfalls. extended aeration/tertiary filtration/chlorination/dechlorination
sludge is hauled by contract hauler.

7.2 Attach an aerial photograph or USGS topographic map showing the location of the facility and outfall.

7.3 Design flow for this outfall: 5999 Total design flow for the facility: 16,200 Actual flow for this outfall: 4600

7.4 Number of people presently connected or population equivalent (P.E.): 80 [redacted] Design P.E.: 180

7.5 Does the facility accept or process leachate from landfills? ☐ Yes ☒ No

8. ADDITIONAL FACILIY INFORMATION

8.1 Facility SIC code: 4952 Discharge SIC code: _____.

8.2 Milestone dates:

Date of completion of construction of facility: 1993

Dates of any construction modifications to the facility (along with description of modification):_____

8.3 Connections to the facility:

Number of units presently connected: Homes 2 Trailers 40 Apartments _____

Other (including industrial) _____ (If industrial, see instructions 8.1)

Number of commercial establishments: 0

Daily number of employees working (total estimate): 6 Daily number of customers/guests (total estimate): 80

8.4 Length of pipe in the sewer collection system? 9400 feet or _____miles (either unit is appropriate.)

8.5 Does any bypassing occur in the collection system or at the treatment facility? ☐Yes ☒ No (If yes, explain.)

8.6 Does significant infiltration occur in the collection system? ☐Yes ☒ No (If yes, explain and attach proposed repair.)

9. DISCHARGE INFORMATION

9.1	Will the discharge be continuous throughout the year?	☒Yes	☐ No	
9.2	Discharge will occur during the following months:	_____		
9.3	How many days of the week will the discharge occur?	_____		
9.4	Is wastewater land-applied?	☐Yes	☒ No	(If yes, attach Form I.)
9.5	Will chlorine be added to the effluent?	☒Yes	☐ No	
	If chlorine is added, what is the resulting residual?	.05 µg/l (micrograms per liter)		
9.6	Does this facility discharge to a losing stream or sinkhole?	☒Yes	☐ No	
9.7	Has a waste load allocation study been completed for this facility?	☐Yes	☒ No	

10. List all permit violations, including effluent limit exceedances, in the last five years. Attach a separate sheet if necessary. If none, write none.

11. SLUDGE HANDLING, USE AND DISPOSAL

11.1 Is the sludge a hazardous waste as defined by 10 CSR 25? ☐ Yes ☒ No

Sludge production, including sludge received from others: 0 / Design Dry Tons/Year VARIES Actual Dry Tons/Year

11.3 Capacity of sludge holding structures:

Sludge storage provided: 864 cubic feet; _____ days of storage; _____ average percent solids of sludge;

☐ No sludge storage is provided.

Type of Storage:
☒ Holding tank ☐ Building
☐ Basin ☐ Other (Please describe) _____
☐ Concrete Pad

Sludge Treatment:
☐ Anaerobic Digester ☐ Lagoon ☐ Composting
☐ Storage Tank ☐ Aerobic Digester ☐ Other (Attach description)
☐ Lime Stabilization ☐ Air or Heat Drying

Sludge Use or Disposal:
☐ Land Application ☐ Surface Disposal (Sludge Disposal Lagoon, Sludge held for more than two years)
☒ Contract Hauler ☐ Incineration
☒ Hauled to Another ☐ Sludge Retained in Wastewater treatment lagoon
Treatment Facility ☒ Other _____ Attach explanation sheet. Hauled to Hollister treatment facility
☐ Solid Waste Landfill

Person responsible for hauling sludge to disposal facility
☐ By Applicant ☒ By Others (complete below)

NAME: Boerman		E-MAIL ADDRESS:	
ADDRESS:	CITY:	STATE:	ZIP CODE:
CONTACT PERSON:	TELEPHONE NUMBER WITH AREA CODE:	PERMIT NO. MO-	

Sludge use or disposal facility
☐ By applicant ☒ By others (Please complete below.)

NAME: City of Hollister		E-MAIL ADDRESS:	
ADDRESS:	CITY:	STATE:	ZIP CODE:
CONTACT PERSON:	TELEPHONE NUMBER WITH AREA CODE:	PERMIT NO. MO-	

Does the sludge or biosolids disposal comply with federal sludge regulations under 40 CFR 503?
☒ Yes ☐ No (Please explain)

12. DOWNSTREAM LANDOWNERS - ATTACH ADDITIONAL SHEETS AS NECESSARY. SEE INSTRUCTIONS.

NAME: Corp of Engineers			
ADDRESS:	CITY:	STATE:	ZIP CODE:

13. CERTIFICATION

I certify that I am familiar with the information contained in the application, that to the best of my knowledge and belief such information is true, complete and accurate, and if granted this permit, I agree to abide by the Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available to applicant under the Missouri Clean Water Law.

NAME AND OFFICIAL TITLE (TYPE OR PRINT): Jim Atkins owner ABC campground	TELEPHONE NUMBER WITH AREA CODE: 417-676-2296
SIGNATURE: James R. Atkins	DATE SIGNED: 6/27/13

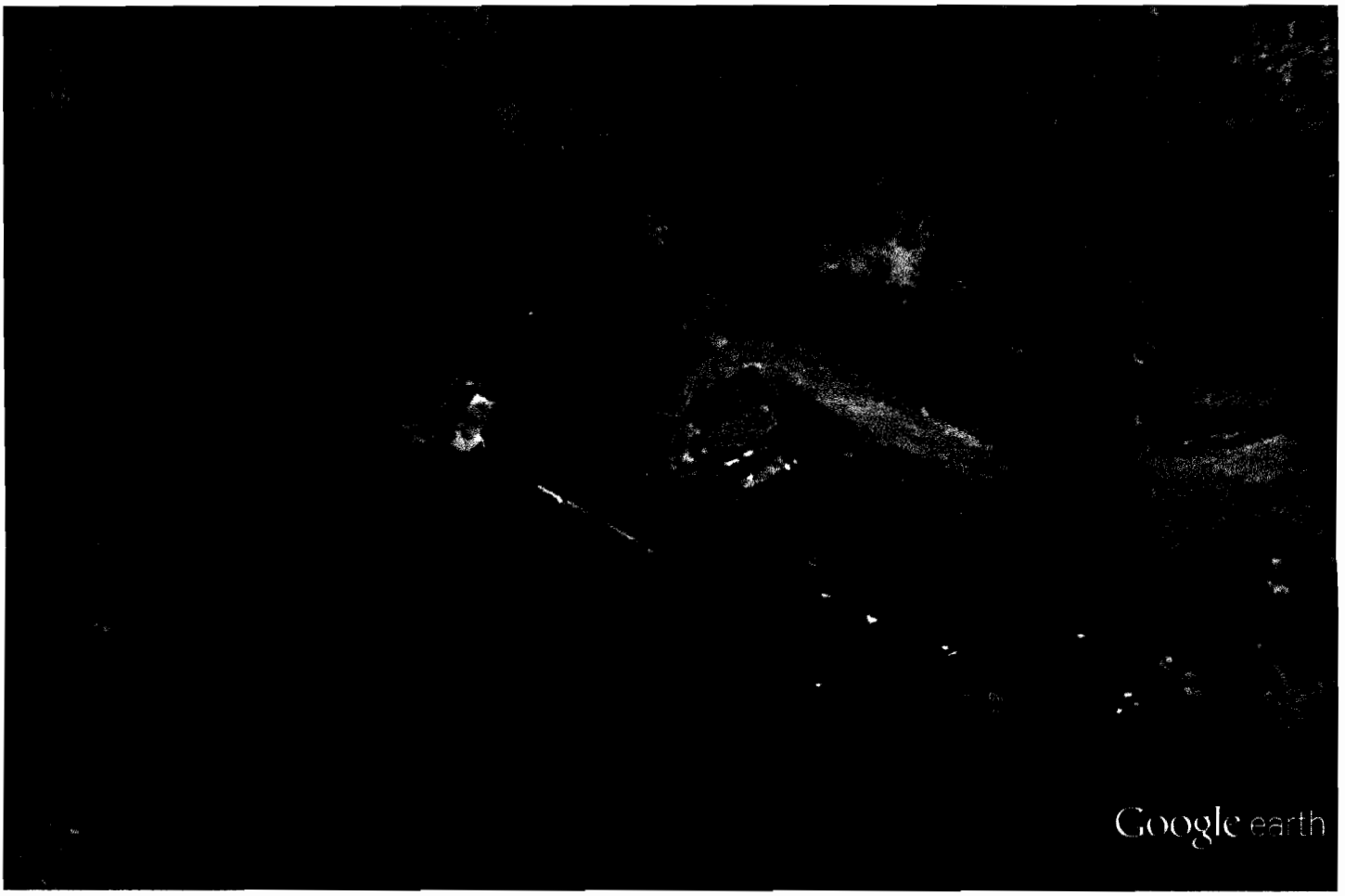
Using Method #2 Wastewater flow readings.

We meter our daily flows by using a timer that records the time the influent pump runs By multiplying the time by the known output of the pump we determine the actual daily inflow. Using the flows from our quarterly DMR's here are the calculation:

1st quarter		1200 gpd
2nd	"	4500 gpd
3rd	"	5800 gpd
4th	"	4500 gpd

16,000 ÷ 4 = 4000 average

4000 x 1.15 multiplier = 4600 gpd



Google earth

miles 30
km 50

MONTHLY ☐ WASTEWATER DISCHARGE MONITORING REPORT QUARTERLY ☒

JAN. FEB. MAR. (APR. MAY 2012 JUN.) JUL. AUG. SEPT. OCT. NOV. DEC.

Facility Name	AMERICA'S BEST CAMPGROUND WWTF (EXP. 11/8/2016)	Current Address: Owner Billing	Address Change For: Owner Billing
Permit Number	MO-0115959 Quarterly	JIM AND SUE ALKIRE	
County	TANEY	499 BUENA VISTA ROAD	
Facility Type	EXTENDED AREATION/TERTIARY/CHLORINATION/DECHLORINATION/ SLUDGE IS LAND APPLIED BY CONTRACT HAULER	BRANSON, MO. 65616	

SAMPLES COLLECTED BY: DOUG WITHAM	TIME: 9:00am	DATE: 6/4/12	PHONE NUMBER: 417-518-2536	ANALYSIS PERFORMED BY (Lab) PEARL BBP; Lab Analysis (BOD, TSS, E-coli, TP, NH3-N)
SIGNATURE AND TITLE OF INDIVIDUAL PREPARING REPORT: Jim Alkire Pres.		DATE: 6-31-12	PHONE NUMBER	E-MAIL ADDRESS (Optional)
PRINT NAME OF OWNER OR DESIGNEE APPROVING REPORT: Jim Alkire		DATE: 6-31-12	PHONE NUMBER	E-MAIL ADDRESS (Optional)
SIGNATURE OF OWNER OR DESIGNEE APPROVING REPORT: Jim Alkire		DATE: 6-31-12	PHONE NUMBER	E-MAIL ADDRESS (Optional)

PHONE NUMBER(Lab): 417-818-0519

This report covers the period of: APR - JUN 2012

Outfall #001		Final Permit Limitations			Monitoring Requirement			Outfall #001			
Parameter	Units	Daily Maximum	Weekly Average	Monthly Average	Frequency	Sample Type	Due Date	Parameter	Results	Analysis Date	Analytical Method Standard Methods
Flow	GPD	*		*	Quarter	24 hr. est.	The 28th of the following month	Flow gpd	4500	6/4/12	24 hr est
Biochemical Oxygen Demand	mg/L		15	10	Quarter	Composite		Biochemical Oxygen Demand	6.1	6/9/12	5210 5 Day
Total Suspended Solids	mg/L		20	15	Quarter	Composite		Total Suspended Solids	<1	6/5/12	2540 D 103-105
pH	SU	***		***	Quarter	Grab		pH	6.8	6/4/12	4500 H + B
Temperature	°C							Temperature °C	.8	6/4/12	THERMOMETER °F/°
E-Coli	#/100ml.	630		126	Quarter	Grab		E-Coli	10	6/4/12	SM9223B-QT
Total Residual Chlorine	mg/L	.13ML		.13ML	Quarter	Composite		Total Residual Chlorine	0.00	6/4/12	DPD COLORMETRIC
Ammonia	mg/L	2.0 / 3/0		**	Quarter	Grab		Ammonia	.42	6/5/12	4500 NH3
Phosphorous as P	mg/L			0.5	Quarter	Composite		Phosphorous as P	.26	6/5/12	Phos Ver 3
Dissolved Oxygen	mg/L	*		*	Quarter	Grab		Dissolved Oxygen	8.0	6/4/12	421 F ELECTRODE
Oil & Grease	mg/L							Oil & Grease	—	—	EPA 1664 REV 2/99
Aluminum Total Recoverable	mg/L	*		*	Quarter	Composite		Aluminum Total Recoverable	.027	6/9/12	EPA 200.7 R4.4
Iron Total Recoverable	mg/L	*		*	Quarter	Composite		Iron Total Recoverable	Ø	—	EPA 200.7 R4.5

NO DISCHARGE ☐

MONTHLY ☐ WASTEWATER DISCHARGE MONITORING REPORT QUARTERLY ☒

(JAN. FEB. 2012 MAR.) APR. MAY JUN. JUL. AUG. SEPT. OCT. NOV. DEC.

Facility Name	AMERICA'S BEST CAMPGROUND WWTF (EXP. 11/8/2016)	Current Address: Owner Billing	Address Change For: Owner Billing
Permit Number	MO-0115959 Quarterly	JIM AND SUE ALKIRE	
County	TANEY	499 BUENA VISTA ROAD	
Facility Type	EXTENDED AREATION/TERTIARY/CHLORINATION/DECHLORINATION/ SLUDGE IS LAND APPLIED BY CONTRACT HAULER	BRANSON, MO. 65616	

SAMPLES COLLECTED BY: Doug Witham	TIME: 10:00 am	DATE: 2/22/12	PHONE NUMBER: 417-598-2556	ANALYSIS PERFORMED BY (Lab) Lab Analysis (BOD, TSS, TP, NH3-N, Dr. Alum) BBP — PHONE NUMBER(Lab): 417-818-0519
SIGNATURE AND TITLE OF INDIVIDUAL PREPARING REPORT		DATE	PHONE NUMBER	E-MAIL ADDRESS (Optional) — This report covers the period of: JAN-MAR 2012
PRINT NAME OF OWNER OR DESIGNEE APPROVING REPORT		DATE	PHONE NUMBER	E-MAIL ADDRESS (Optional)
SIGNATURE OF OWNER OR DESIGNEE APPROVING REPORT		DATE	PHONE NUMBER	E-MAIL ADDRESS (Optional)

Outfall #001		Final Permit Limitations			Monitoring Requirement			Outfall #001			NO DISCHARGE ☐
Parameter	Units	Daily Maximum	Weekly Average	Monthly Average	Frequency	Sample Type	Due Date	Parameter	Results	Analysis Date	Analytical Method Standard Methods
Flow	GPD	*		*	Quarter	24 hr. est.	The 28th of the following month	Flow gpd	1200	2/22/12	24 hr. est.
Biochemical Oxygen Demand	mg/L		15	10	Quarter	Composite		Biochemical Oxygen Demand	2.79	2/27/12	5210 5 Day
Total Suspended Solids	mg/L		20	15	Quarter	Composite		Total Suspended Solids	1.81	2/23/12	2540 D 103-105
pH	SU	***		***	Quarter	Grab		pH	7.4	2/22/12	4500 H + B
Temperature	°C							Temperature °C	7.2°	2/22/12	THERMOMETER °F/°C
E-Coli	#/100mL	630		126	Quarter	Grab		E-Coli	APR-OCT	—	SM9223B-QT
Total Residual Chlorine	mg/L	.13ML		.13ML	Quarter	Composite		Total Residual Chlorine	Ø	—	DPD COLORMETRIC
Ammonia	mg/L	2.0 / 3/0		**	Quarter	Grab		Ammonia	.12	2/23/12	4500 NH3
Phosphorous as P	mg/L			0.5	Quarter	Composite		Phosphorous as P	.205	2/23/12	Phos Ver 3
Dissolved Oxygen	mg/L	*		*	Quarter	Grab		Dissolved Oxygen	8.0	2/22/12	421 F ELECTRODE
Oil & Grease	mg/L							Oil & Grease	—	—	EPA 1664 REV 2/99
Aluminum Total Recoverable	mg/L	*		*	Quarter	Composite		Aluminum Total Recoverable	.036	2/27/12	EPA 200.7 R4.4
Iron Total Recoverable	mg/L	*		*	Quarter	Composite		Iron Total Recoverable	Ø	—	EPA 200.7 R4.5

MONTHLY ☐ WASTEWATER DISCHARGE MONITORING REPORT QUARTERLY ☒

JAN. FEB. MAR. APR. MAY JUN. JUL. AUG. SEPT. (OCT. NOV. 2012 DEC.)

Facility Name	AMERICA'S BEST CAMPGROUND WWTF (EXP. 11/8/2016)	Current Address: Owner Billing	Address Change For: Owner Billing
Permit Number	MO-0115959 Quarterly	JIM AND SUE ALKIRE	
County	TANEY	499 BUENA VISTA ROAD	
Facility Type	EXTENDED AREATION/TERTIARY/CHLORINATION/DECHLORINATION/ SLUDGE IS LAND APPLIED BY CONTRACT HAULER	BRANSON, MO. 65616	

SAMPLES COLLECTED BY: DOUG WITHAM	TIME: 0930	DATE: 11/12/12	PHONE NUMBER: 417-598-2556	ANALYSIS PERFORMED BY (Lab): A2LAM BBP; Lab Analysis: (BOD, TSS, E-COLI, TP, NH3-N)	PHONE NUMBER(Lab): 417-818-0519
SIGNATURE AND TITLE OF INDIVIDUAL PREPARING REPORT: Jim Alkire Pres.		DATE: 12-2-12	PHONE NUMBER	E-MAIL ADDRESS (Optional)	This report covers the period of: OCT-DEC 2012
PRINT NAME OF OWNER OR DESIGNEE APPROVING REPORT: Jim Alkire		DATE: 12-2-12	PHONE NUMBER: 417-674-2296	E-MAIL ADDRESS (Optional)	
SIGNATURE OF OWNER OR DESIGNEE APPROVING REPORT: Jim Alkire		DATE: 12-2-12	PHONE NUMBER	E-MAIL ADDRESS (Optional)	

Outfall #001		Final Permit Limitations			Monitoring Requirement			Outfall #001			NO DISCHARGE ☐
Parameter	Units	Daily Maximum	Weekly Average	Monthly Average	Frequency	Sample Type	Due Date	Parameter	Results	Analysis Date	Analytical Method Standard Methods
Flow	GPD	*		*	Quarter	24 hr. est.	The 28th of the following month	Flow gpd	4500	11/12/12	24 hr. est.
Biochemical Oxygen Demand	mg/L		15	10	Quarter	Composite		Biochemical Oxygen Demand	4.86	11/17/12	5210 5 Day
Total Suspended Solids	mg/L		20	15	Quarter	Composite		Total Suspended Solids	1.42	11/13/12	2540 D 103-105
pH	SU	***		***	Quarter	Grab		pH	6.8	11/12/12	4500 H + B
Temperature	°C							Temperature °C	12°	11/12/12	THERMOMETER °F/°C
E-Coli	#/100mL	630		126	Quarter	Grab		E-Coli	APR-OCT	/	SM9223B-QT
Total Residual Chlorine	mg/L	.13ML		.13ML	Quarter	Composite		Total Residual Chlorine	Ø	/	DPD COLORMETRIC
Ammonia	mg/L	2.0 / 3/0		**	Quarter	Grab		Ammonia	.6	11/13/12	4500 NH3
Phosphorous as P	mg/L			0.5	Quarter	Composite		Phosphorous as P	.14	11/13/12	Phos Ver 3
Dissolved Oxygen	mg/L	*		*	Quarter	Grab		Dissolved Oxygen	8.0	11/12/12	421 F ELECTRODE
Oil & Grease	mg/L							Oil & Grease	/	/	EPA 1664 REV 2/99
Aluminum Total Recoverable	mg/L	*		*	Quarter	Composite		Aluminum Total Recoverable	<.02	11/16/12	EPA 200.7 R4.4
Iron Total Recoverable	mg/L	*		*	Quarter	Composite		Iron Total Recoverable	Ø	/	EPA 200.7 R4.5

MONTHLY ☐ WASTEWATER DISCHARGE MONITORING REPORT ☒ QUARTERLY

JAN. FEB. MAR. APR. MAY JUN. (JUL. AUG. 2012 SEPT.) OCT. NOV. DEC.

Facility Name	AMERICA'S BEST CAMPGROUND WWTF (EXP. 11/8/2016)	Current Address: Owner Billing	Address Change For: Owner Billing
Permit Number	MO-0115959 Quarterly	JIM AND SUE ALKIRE	
County	TANEY	499 BUENA VISTA ROAD	
Facility Type	EXTENDED AREATION/TERTIARY/CHLORINATION/DECHLORINATION/ SLUDGE IS LAND APPLIED BY CONTRACT HAULER	BRANSON, MO. 65616	

SAMPLES COLLECTED BY: Doug WITHAM	TIME: 9:00am	DATE: 9/7/12	PHONE NUMBER: 417-598-2556	ANALYSIS PERFORMED BY (Lab): ALUM BBP; Lab Analysis (BOD, TSS, E-COLI, TP, NH3-N)
SIGNATURE AND TITLE OF INDIVIDUAL PREPARING REPORT: Jim Alkire Pres.		DATE: 9-26-12	PHONE NUMBER: 4176762296	E-MAIL ADDRESS (Optional)
PRINT NAME OF OWNER OR DESIGNEE APPROVING REPORT: Jim Alkire		DATE: 9-26-12	PHONE NUMBER: "	E-MAIL ADDRESS (Optional)
SIGNATURE OF OWNER OR DESIGNEE APPROVING REPORT: Jim Alkire		DATE: 9-26-12	PHONE NUMBER: "	E-MAIL ADDRESS (Optional)

PHONE NUMBER(Lab): 417-818-0519

This report covers the period of: JULY - SEPT 2012

Outfall #001		Final Permit Limitations			Monitoring Requirement			Outfall #001			NO DISCHARGE ☐
Parameter	Units	Daily Maximum	Weekly Average	Monthly Average	Frequency	Sample Type	Due Date	Parameter	Results	Analysis Date	Analytical Method Standard Methods
Flow	GPD	*		*	Quarter	24 hr. est.	The 28th of the following month	Flow gpd	5800	9/7/12	24 hr. est.
Biochemical Oxygen Demand	mg/L		15	10	Quarter	Composite		Biochemical Oxygen Demand	4.62	9/12/12	5210 5 Day
Total Suspended Solids	mg/L		20	15	Quarter	Composite		Total Suspended Solids	1.25	9/8/12	2540 D 103-105
pH	SU	***		***	Quarter	Grab		pH	6.6	9/7/12	4500 H + B
Temperature	°C							Temperature °C	23.8°	9/7/12	THERMOMETER °F/°C
E-Coli	#/100mL	630		126	Quarter	Grab		E-Coli	70	9/7/12	SM9223B-QT
Total Residual Chlorine	mg/L	.13ML		.13ML	Quarter	Composite		Total Residual Chlorine	0.00	9/7/12	DPD COLORMETRIC
Ammonia	mg/L	2.0 / 3/0		**	Quarter	Grab		Ammonia	1.2	9/8/12	4500 NH3
Phosphorous as P	mg/L			0.5	Quarter	Composite		Phosphorous as P	.13	9/8/12	Phos Ver 3
Dissolved Oxygen	mg/L	*		*	Quarter	Grab		Dissolved Oxygen	7.5	9/7/12	421 F ELECTRODE
Oil & Grease	mg/L							Oil & Grease	—	—	EPA 1664 REV 2/99
Aluminum Total Recoverable	mg/L	*		*	Quarter	Composite		Aluminum Total Recoverable	.022	9/11/12	EPA 200.7 R4.4
Iron Total Recoverable	mg/L	*		*	Quarter	Composite		Iron Total Recoverable	Ø	—	EPA 200.7 R4.5